

FILE

**PHILIP MORRIS MANAGEMENT CORP. INTER-OFFICE CORRESPONDENCE**

PO BOX 26583, RICHMOND VA 23261-6583

TO: Chuck Wall

DATE: March 11, 1994

FROM: Chris Hardin *CH*

RE: **RECONSTITUTED TOBACCO PATENTS**

Enclosed is a collection of patents, abstracts, and other materials relating to reconstituted tobacco, which I am sending you at the request of Jim Charles. Additional information will follow in a day or 2.

Enclosures

cc: J. Charles  
J. Schardt

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# RECONSTITUTED TOBACCO PATENTS

US 1236 3/19/1860 (Newton)  
US 7001 1/8/8150 (Hoyt)  
US 21558 9/21/1858 (Durell)  
US 21704 10/5/1858 (Suter)  
US 25604 9/27/1859 (Dixon)  
US 61275 1/15/1867 (Stayman)  
US 64591 5/7/1867 (Stayman)  
US 86369 2/2/1869 (Consuegra et al.)  
US 87572 3/9/1869 (Lange)  
US 92427 7/13/1869 (Consuegra et al.)  
US 105160 7/12/1870 (Antiguedad)  
US 246117 8/23/1881 (Funke)  
US 267764 11/21/1882 (Wood)  
US 328300 10/13/1885 (Susini)  
US 346887 8/10/1886 (Bennett)  
US 421373 2/11/1890 (Wilson)  
US 430516 6/17/1890 (Endemann)  
US 611107 9/20/1898 (Dillon)  
US 622325 4/4/1899 (Brunswig)  
US 718406 1/13/03 (Webb et al.)  
US 799215 12/19/03 (Apel)  
US 772892 10/18/04 (Lauhoff)  
US 828500 8/14/06 (Parker)  
US 869361 10/29/07 (Graves)  
US 872987 12/3/07 (Capehart)  
US 888743 5/26/08 (Rogers)  
US 999986 8/8/11 (Giordano)  
US 1016844 2/6/12 (Moonelis)  
US 1025822 5/7/12 (Millsbaugh)  
US 1068403 11/25/11 (Maier)  
US 1163252 12/7/15 (Millsbaugh)  
US 1202302 10/24/16 (Moonelis)  
US 1338827 5/4/20 (Goodfellow)  
US 1463544 7/31/23 (Bidwell)  
US 1472572 8/14/22 (Tompkins)  
US 1716250 6/4/29 (Thiele)  
US 1774609 9/2/30 (Myers)  
US 1870259 8/9/32 (McKee)  
US 1903942 4/18/33 (Reichard)  
US 1968403 7/31/34 (Kinker)  
US 1972718 9/4/34 (Sharlit)  
US 1981049 11/20/34 (Kellett)  
US 2155453 4/25/39 (Stuntz)  
US 2209758 7/30/40 (Berry)  
US 2307088 1/5/43 (Whiteley)

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US 2331830 10/12/43 (Garber)  
US 2393553 1/22/46 (Musser)  
US 2430534 11/11/47 (Rodli)  
US 2433877 1/6/48 (Wells)  
US 2445338 7/20/48 (Sowa)  
US 2429567 10/21/47 (Sowa)  
US 2460284 2/1/49 (Hale)  
US 2483418 10/4/49 (Kamlet)  
US 2485670 10/25/49 (Sowa et al.)  
US 2500752 3/14/50 (Hanson et al.)  
US 2534113 12/12/50 (Egger)  
US 2544247 3/6/51 (Asaff et al.)  
US 2565052 (Sowa)  
US 2570697 10/9/51 (Nordengren)  
US 2576021 11/20/51 (Koree)  
US 2592553 4/15/52 (Frankenburg et al.)  
US 2592554 4/15/52 (Frankenburg et al.)  
US 2598680 6/3/52 (Frankenburg)  
US 2613672 10/14/52 (Sartoretto et al.)  
US 2613673 10/14/52 (Sartoretto et al.)  
US 2626612 1/27/53 (Pearce)  
US 2656841 10/27/53 (Gurley)  
US 2673799 3/30/54 (Schur et al.)  
US 2706695 4/19/55 (Frankenburg)  
US 2707472 5/3/55 (Jurgensen et al.)  
US 2733720 2/7/56 (Schur et al.)  
US 2734509 2/14/56 (Jurgensen)  
US 2734510 2/14/56 (Hungerford et al.)  
US 2734513 2/14/56 (Hungerford et al.)  
US 2739599 3/27/56 (Abbott)  
US 2739600 3/27/56 (Staib)  
US 2747583 5/29/56 (Frankenburg et al.)  
US 2755207 7/17/56 (Frankenburg)  
US 2769734 11/6/56 (Bandel)  
US 2776916 1/8/57 (Ericsson)  
US 2778753 1/22/57 (Novak)  
US 2797689 7/2/57 (Frankenburg)  
US 2801636 8/6/57 (Pföh)  
US 2805667 9/10/57 (Von Bethmann)  
US 2809904 10/15/57 (Koree)  
US 2830596 8/15/58 (Frankenburg et al.)  
US 2845933 8/5/58 (Samfield)  
US 2867220 1/6/59 (Cahn et al.)  
US 2887414 5/19/59 (Rosenberg et al.)  
US 2890973 6/16/59 (Fachini)  
US 2893400 7/7/59 (Detert)

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US 2897103 7/28/59 (Gottscho)  
US 2903391 9/8/59 (Kerr)  
US 2927588 3/8/60 (Detert)  
US 2949117 8/16/60 (Carmellini et al.)  
US 2954776 10/4/60 (Dreher)  
US 2957478 10/25/60 (Hotelling et al.)  
US 2963086 12/6/60 (Green)  
US 2967118 1/3/61 (Gary)  
US 2971517 2/14/61 (Pihl)  
US 2976873 3/28/61 (Carmellini et al.)  
US 2977254 3/28/61 (Rosenberg et al.)  
US 2978446 4/4/61 (Battista et al.)  
US 2985175 5/23/61 (Rich)  
US 3000383 9/19/61 (de Tomasi)  
US 3000764 9/19/61 (Drucker)  
US 3003895 10/10/61 (Grunwald)  
US 3006806 10/31/61 (Schur)  
US 3009835 11/21/61 (Samfield et al.)  
US 3009836 11/21/61 (Samfield et al.)  
US 3012561 12/12/61 (Drucker)  
US 3012562 12/12/61 (Merritt)  
US 3012914 12/12/61 (Battista et al.)  
US 3020179 2/6/62 (Hess)  
US 3025860 3/20/62 (Grossteinbeck et al.)  
US 3042552 7/3/62 (Rosenberg et al.)  
US 3043723 7/10/62 (Cleverdon)  
US 3046993 7/31/62 (Rich)  
US 3053258 9/11/62 (Perrin et al.)  
US 3056697 10/2/62 (Belfort)  
US 3060775 10/30/62 (Dreher)  
US 3061479 10/30/62 (Merritt)  
US 3062688 11/6/62 (Detert et al.)  
US 3076366 2/5/63 (Granstedt)  
US 3076729 2/5/63 (Garbo)  
US 3081779 2/5/63 (Perrin)  
US 3084697 4/9/63 (Eissmann)  
US 3084697 4/9/63 (Eissmann)  
US 3085580 4/16/63 (Muth)  
US 3098492 7/23/63 (Wurzburg et al.)  
US 3101722 8/27/63 (Merritt et al.)  
US 3106211 10/8/63 (Reynolds et al.)  
US 3115882 12/31/63 (Domeck et al.)  
US 3118452  
US 3120233 2/4/64 (Battista et al.)  
US 3126010 3/24/64 (Makovka)  
US 3141462 7/21/64 (Block et al.)

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US 3145717 8/25/64 (Osborne et al.)  
US 3154987 11/3/64 (Clausen)  
US 3166078 1/19/65 (Parmele et al.)  
US 3185161 5/25/65 (Fiore et al.)  
US 3185162 5/25/65 (Fiore et al.)  
US 3203432 8/31/65 (Green et al.)  
US 3209763 10/5/65 (Parmele et al.)  
US 3223090 12/14/65 (Strubel et al.)  
US 3230958 1/25/66 (Dearsley)  
US 3240214 3/15/66 (Bavley et al.)  
US 3242936 3/29/66 (Clausen)  
US 3255760 6/14/66 (Selke)  
US 3288148 11/29/66 (Detert et al.)  
US 3295222 1/3/67 (Geitz)  
US 3297039 1/10/67 (Osborne et al.)  
US 3298062 1/17/67 (Nicholi)  
US 3298378 1/17/67 (Stevens et al.)  
US 3299895 1/24/67 (Dearsely)  
US 3306307 2/28/67 (Richards)  
US 3308556 3/14/67 (Franklin et al.)  
US 3310057 3/21/67 (Savage et al.)  
US 3310058 3/21/67 (Savage et al.)  
US 3313003 4/11/67 (O'Brien)  
US 3322130 5/30/67 (Panzer)  
US 3352308 11/14/67 (Lindgren)  
US 3353541 11/21/67 (Hind et al.)  
US 3364935 1/23/68 (Moshy et al.)  
US 3373751 3/19/68 (Wallberg)  
US 3379198 4/23/68 (Mold)  
US 3386449 6/4/68 (Hind)  
US 3396734 8/13/68 (Jansson)  
US 3398754 8/27/68 (Tughan)  
US 3402480 9/24/68 (Geitz)  
US 3402722 9/24/68 (Kochalski)  
US 3404690 10/8/68 (Moshy)  
US 3404691 10/8/68 (Moshy et al.)  
US 3409026 11/5/68 (Hind et al.)  
US 3409028 11/5/68 (de la Burde)  
US 3410279 11/12/68 (Moshy et al.)  
US 3411515 11/19/68 (Hind et al.)  
US 3415253 12/10/68 (Michels et al.)  
US 3419014 12/31/68 (Moshy)  
US 3420241 1/7/69 (Hind)  
US 3421519 1/14/69 (Moshy)  
US 3424169 1/28/69 (Moren et al.)  
US 3428053 2/18/69 (Schoenbaum et al.)

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US 3429316 2/25/69 (Hess)  
US 3430634 3/4/69 (Schweitzer et al.)  
US 3431915 3/11/69 (Licis)  
US 3435829 4/1/69 (Hind et al.)  
US 3438379 4/15/69 (Mitan et al.)  
US 3459195 8/5/69 (Silberman)  
US 3467109 9/16/69 (Block et al.)  
US 3472236 10/14/69 (Dearsley)  
US 3477440 11/11/69 (Licis)  
US 3483874 12/16/69 (Hind)  
US 3487839 1/6/70 (Parlatore)  
US 3496255 2/17/70 (Erleben et al.)  
US 3499454 3/10/70 (Hind)  
US 3500833 3/17/70 (Halter et al.)  
US 3513857 5/26/70 (Silberman)  
US 3528434 9/15/70 (Halter et al.)  
US 3529602 9/22/70 (Hind et al.)  
US 3534743 10/20/70 (Monte)  
US 3537461 11/3/70 (Imbert)  
US 3540455 11/17/70 (Fiore)  
US 3540456 11/17/70 (McGlumphy et al.)  
US 3542035 11/24/70 (Dierichs)  
US 3550598 12/29/70 (McGlumphy et al.)  
US 3561451 2/9/71 (Jacin)  
US 3584631 6/15/71 (Halter)  
US 3589032 6/29/71 (Gretz)  
US 3589373 6/29/71 (Hooper)  
US 3590493 7/6/71 (Gretz)  
US 3593721 7/20/71 (Knop et al.)  
US 3605757 9/20/71 (Buchmann et al.)  
US 3613693 10/19/71 (Monte)  
US 3625225 12/7/71 (Halter)  
US 3628541 12/21/71 (Buchmann et al.)  
US 3646943 3/7/72 (Blewitt et al.)  
US 3696816 10/10/72 (Buchmann et al.)  
US 3703177 11/21/72 (Hind et al.)  
US 3704715 12/5/72 (Buchmann et al.)  
US 3709232 1/9/73 (Lilja et al.)  
US 3710805 1/16/73 (Tamaki et al.)  
US 3713358 1/30/73 (Honeycutt et al.)  
US 3717155 2/20/73 (Jacin et al.)  
US 3718153 2/27/73 (Kobari et al.)  
US 3729009 4/24/73 (Stevens et al.)  
US 3746012 7/17/73 (Deszyck)  
US 3747608 7/24/73 (Gravely et al.)  
US 3750679 8/7/73 (Wallberg)

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US 3759267 9/18/73 (Thornton)  
US 3768712 10/30/73 (Imbert)  
US 3782392 1/1/74 (Monte)  
US 3794048 2/26/74 (Molins)  
US 3795250 3/5/74 (Halter)  
US 3796222 3/12/74 (Deszyck)  
US 3805802 4/23/74 (Hedge et al.)  
US 3805803 4/23/74 (Hedge et al.)  
US 3807416 4/30/74 (Hedge et al.)  
US 3821959 7/2/74 (Schmidt)  
US 3840024 10/8/74 (Nicholl)  
US 3842845 10/22/74 (Cartwright)  
US 3847164 11/12/74 (Mattina et al.)  
US 3847326 11/12/74 (Webster)  
US 3860012 1/14/74 (Selke)  
US 3865120 2/11/75 (Detert et al.)  
US 3870054 3/11/75 (Arledter et al.)  
US 3872871 3/25/75 (Fiore et al.)  
US 3875836 4/8/75 (Hutchinson et al.)  
US 3894544 7/15/75 (Egri)  
US 3932081 1/13/76 (Buchmann et al.)  
US 3934594 1/27/76 (Beringer et al.)  
US 3943945 3/16/76 (Rosen)  
US 3968804 7/13/76 (Kelly et al.)  
US 3974838 8/17/76 (Mitchell et al.)  
US 3978866 9/7/76 (Cook)  
US 3983884 10/5/76 (Detert et al.)  
US 3986515 10/19/76 (Egri)  
US 3987801 10/26/76 (Artho et al.)  
US 4000748 1/4/77 (Summers)  
US 4002178 1/11/77 (Fiore et al.)  
US 4013082 3/22/77 (Rosen)  
US 4018233 4/19/77 (Miyake)  
US 4019512 4/26/77 (Briskin)  
US 4033359 7/5/77 (Borthwick et al.)  
US 4047536 9/13/77 (Asfour)  
US 4058129 11/5/77 (Beringer et al.)  
US 4069831 1/24/78 (Egri)  
US 4079742 3/21/78 (Rainer et al.)  
US 4131118 12/26/78 (Gellatly et al.)  
US 4083371 4/11/78 (Beringer et al.)  
US 4109665 8/29/78 (Godfrey et al.)  
US 4119104 10/10/78 (Roth)  
US 4131117 12/26/78 (Kite et al.)  
US 4131118 12/26/78 (Gellatly et al.)  
US 4135962 1/23/79 (Sinclair et al.)

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